PROJECT	DESIGNATION
1700012	1700012
CONTRACT	BRIDGE FILE NO.
B-40407	N/A

STRUCTURE INFORMATION					
STRUCTURE	TYPE	SPAN AND SKEW	OVER	STATION	
CV 058-003-120.30	REINF. CONC. BOX CULVERT	1 @ 9'-0" 16° Skew Rt.	UNT East Fork White Creek	15+20 "A"	

KIN PROJECT INFORMATION		
DESIGNATION	PROJECT DESCRIPTION	
1600503 (Lead Des.)	Bridge Replacement on SR 58, 3.35 miles west of I-65	
1700012	Small Structure Replacement on SR 58 1.95 miles west of I-65	
1700171	Superstructure Replacement on SR 58 0.84 miles east of SR 258	
1701428	Bridge Replacement on SR 58 1.89 miles east of SR 258	
1701431	Bridge Replacement on SR 58 2.28 miles east of SR 258	

DES. NO. CULVERT ASSET ID	CULVERT ASSETS			
	DES. NO.	CULVERT ASSET ID		
1700012 CV 058-003-120.30	1700012	CV 058-003-120.30		

INDIANA DEPARTMENT OF TRANSPORTATION



ROAD PLANS

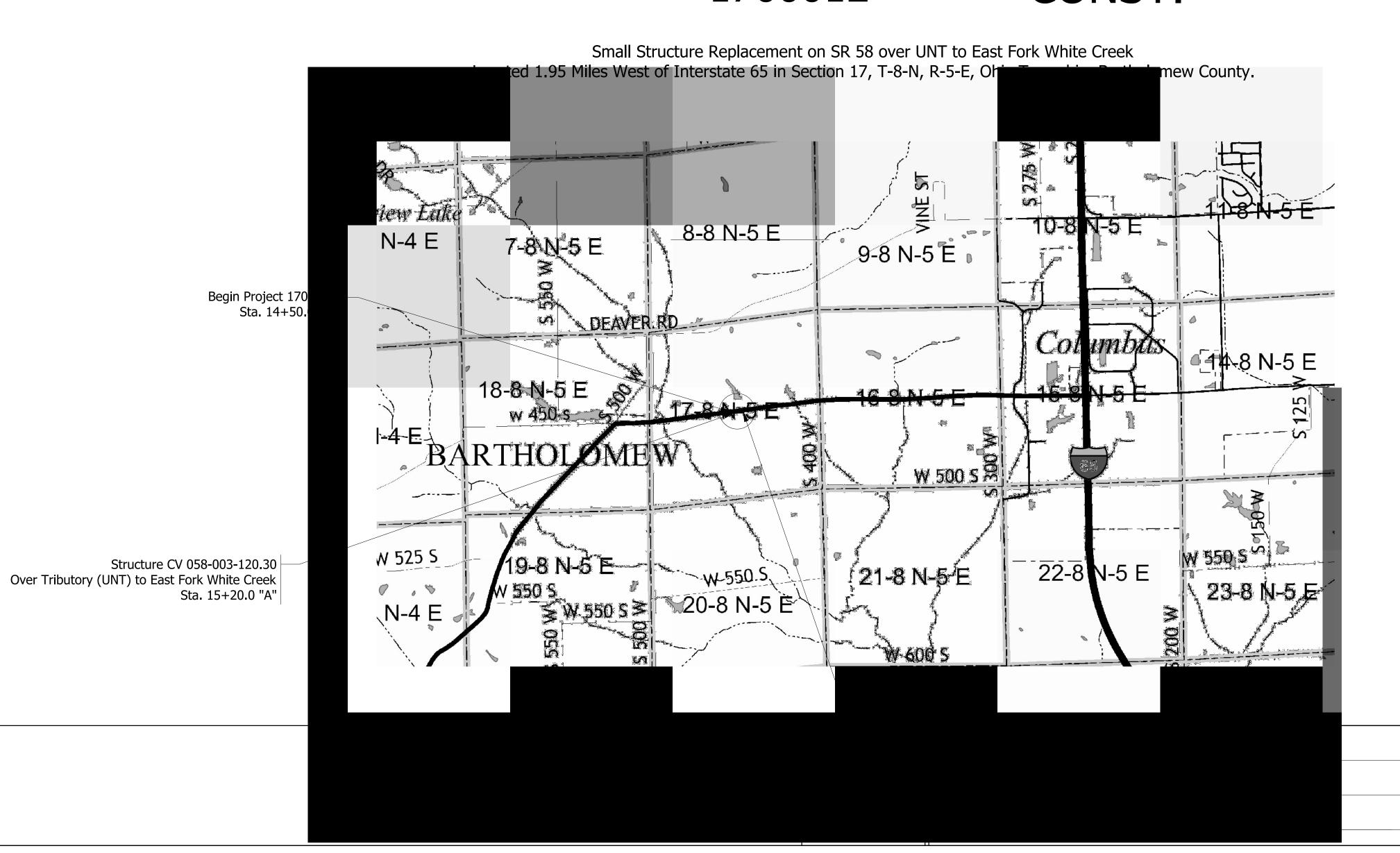
ROUTE: SR 58 AT: RP 120+30

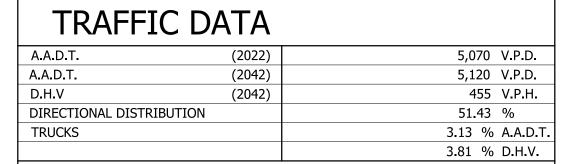
PROJECT NO. 1700012

1700012 R/W

CONST. 1700012

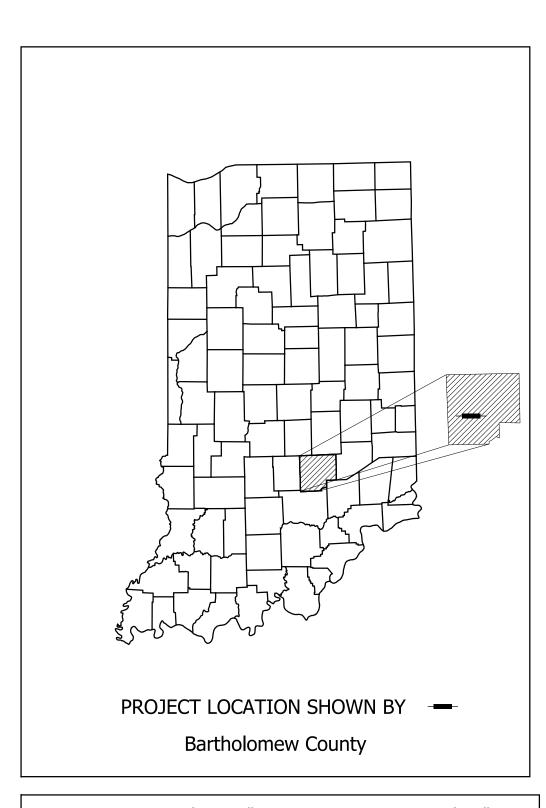
P.E.





DESIGN DATA

DESIGN SPEED	45 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	STATE COLLECTOR
RURAL/URBAN	RURAL
TERRAIN	LEVEL
ACCESS CONTROL	NONE



LATITUDE: 39° 07' 59.92" N LONGITUDE: 85° 59' 42" W

HUC: 05120206050040

SCALE: 1'' = 2000'

(812) 372-9911 PHONE NUMBER

DATE

BRIDGE LENGTH:	NA	MI.
ROADWAY LENGTH:	0.047	MI.
TOTAL LENGTH:	0.047	MT.
MAX. GRADE:	3.08	%

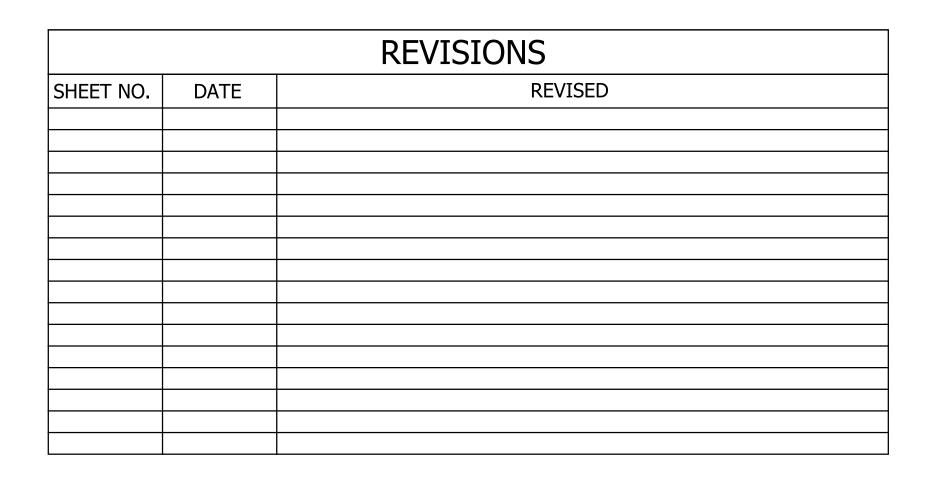
INDIANA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2020 TO BE USED WITH THESE PLANS

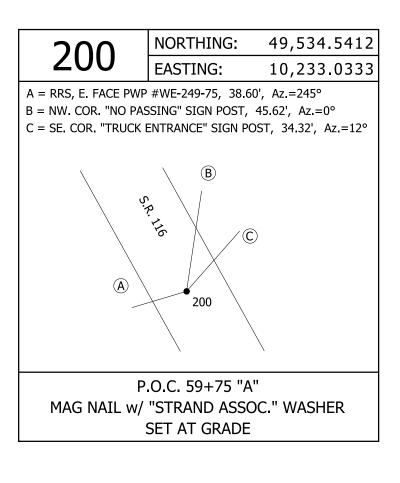
	BRIDGE FILE NO.			
	NA			
	DESIGNATION			
	1700012			
	SHEETS			
SURVEY BOOK	S	HEET	S	
SURVEY BOOK	1	HEET:	S	16
SURVEY BOOK CONTRACT	1			16
	1 PI	of	Т	16

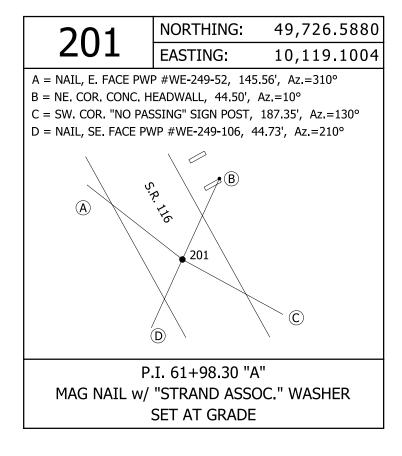
	UTILI	TIES	
TELEPHONE:	AT&T Distribution 420 7th St. Columbus, IN 47201 ATTN: Troy Bishop EMAIL: tb2932@att.com	CABLE:	Vectren 16000 Allisonville Rd Noblesville IN 46061 (317) 419-6145 ATTN: Whitney Land EMAIL: wland@enengineering.com
ELECTRIC:	Bartholomew Country R.E.M.C. 1697 W. Deaver Road Columbus, IN 47201 (812) 372-2546 ATTN: Colton Carden Email: ccarden@bcremc.com	WATER:	Southwestern Bartholomew Water Co 4735 W Carlos Folger Drive Columbus, IN 47201 (812) 342-4421 ATTN: Doug Prather EMAIL: dprat@swbwc.com

GENERAL NOTES	

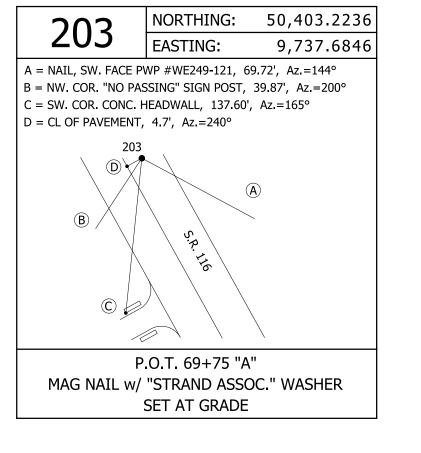
INDEX			
HEET NO.	DRAWINGS INDEX		
1	TITLE SHEET		
2	INDEX AND GENERAL NOTES		
3	MAINTENANCE OF TRAFFIC		
4	TYPICAL CROSS SECTIONS		
5-6	LOCATION CONTROL ROUTE SURVEY		
7	PLAT NO. 1		
8	PLAN & PROFILE		
9	LAYOUT		
10	GENERAL PLANS		
11	MISCELLANEOUS TABLES		
12-16	CROSS SECTIONS		





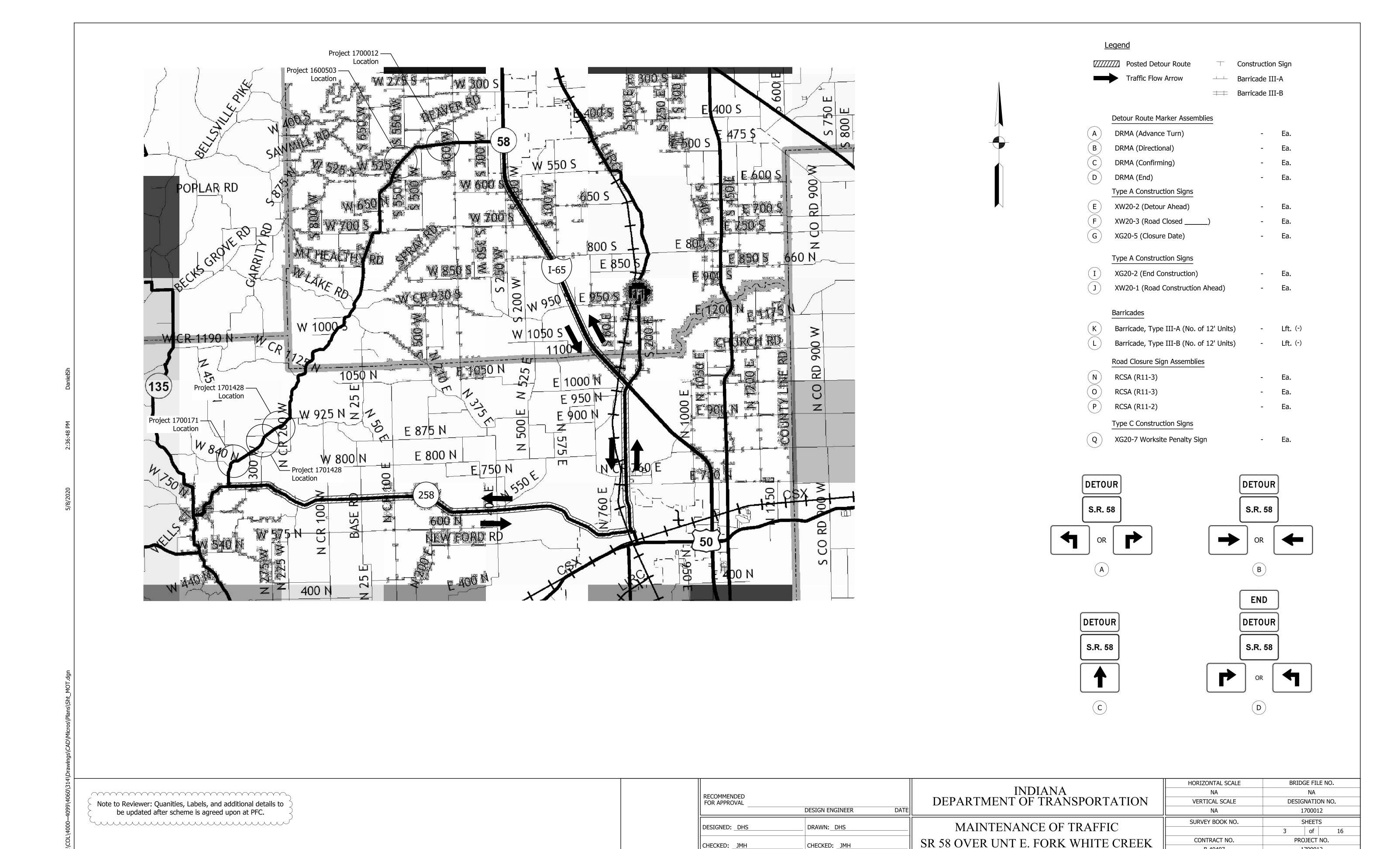






	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DAT
	DESIGNED: DHS	DRAWN: DHS	
	CHECKED: JMH	CHECKED: JMH	

	HORIZONTAL SCALE	BRIDGE FILE NO.		E NO.
INDIANA	NA	NA		
DEPARTMENT OF TRANSPORTATION	VERTICAL SCALE	DESIGNATION NO.		N NO.
	NA	1700012		2
	SURVEY BOOK NO.	SHEETS		5
GENERAL NOTES AND INDEX		2	of	16
GENERAL NOTES AND INDEA	CONTRACT NO.	PROJECT NO.		VO.
	B-40407	1700012		2

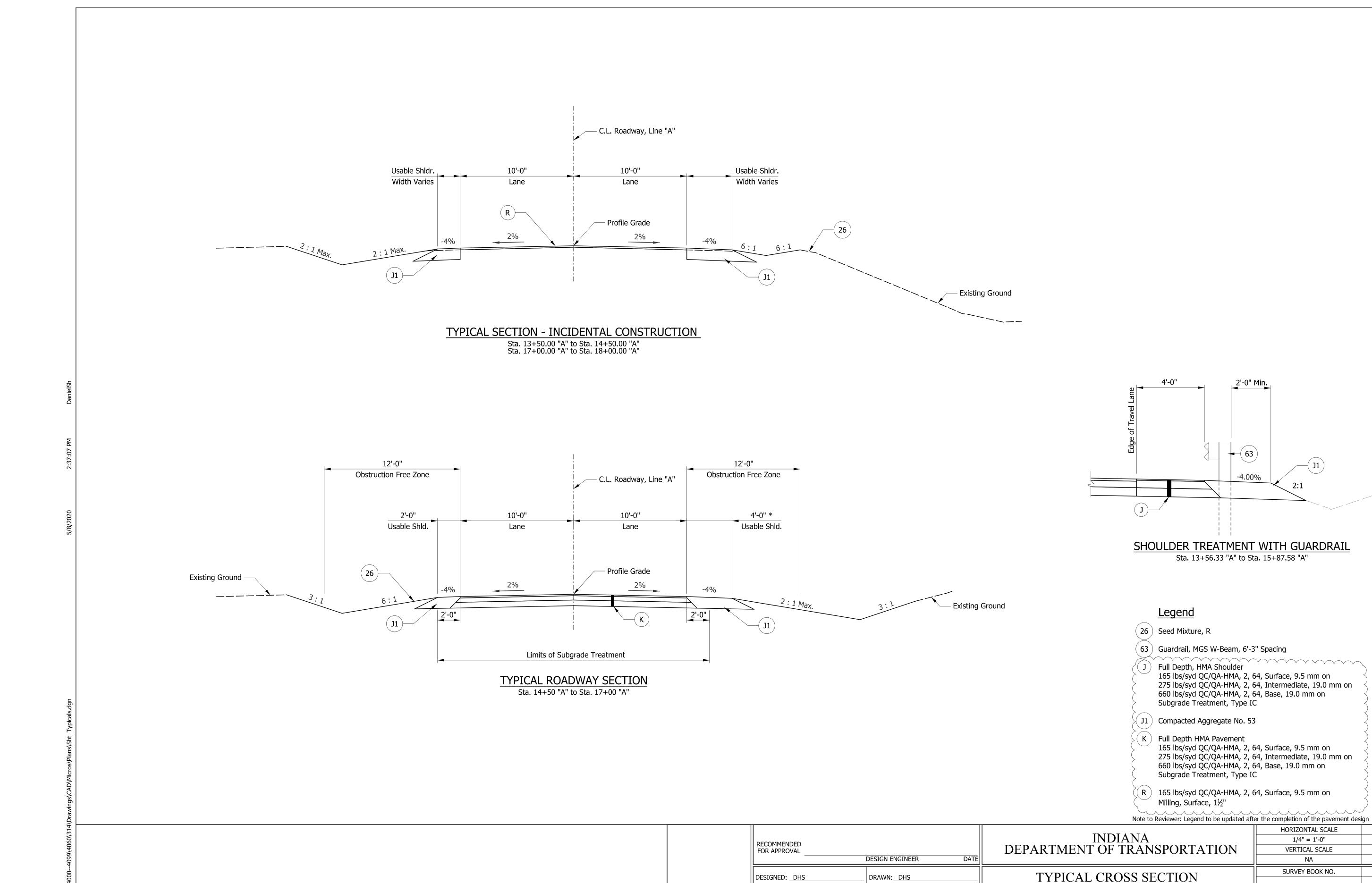


CHECKED: JMH

CHECKED: JMH

B-40407

1700012



CHECKED: JMH

CHECKED: JMH

BRIDGE FILE NO.

DESIGNATION NO.

1700012

SHEETS

of

PROJECT NO.

1700012

CONTRACT NO.

B-40407

SR 58 OVER UNT E. FORK WHITE CREEK

GENERAL

- All units of measure are in English units.
- All monument reference ties are shown on this Route Survey Plat.
- The item numbers on this Route Survey Plat refer to actual field survey monument numbers used for control and topography.
- The number of significant digits shown are for calculation purposes only and do not intend to imply the precision of the original measurements.
- The field work for this survey was started on August 14, 2018 and completed in October 23, 2018.

LOCATION OF SURVEY

This Location Control Route Survey was completed for a small structure replacement project. The entirety of this project is within the bounds of the INDOT Seymour District. This survey is located at the center of Section 17, Township 8 North, Range 5 East of the Second Principal Meridian, Ohio Township, Bartholomew County, Indiana. This project is located on S.R. 58, 1.95 miles west of I-65 and has a total length of 1,000 feet.

PURPOSE OF SURVEY

The purpose of this survey was to obtain data, establish a horizontal alignment (Line "A"), and vertical control for the design and construction of said project and reference said alignment to the United States Public Land Survey Subdivision Corners along the above mentioned route. Although found monuments and property lines are depicted, this survey is not intended to be an original survey or retracement survey. Property lines, corners, and right-of-way lines are shown as approximate location only.

CONTROL AND BASIS OF BEARING

The basis of bearing and horizontal control for this survey was established using the Indiana Geospatial Coordinate System's (InGCS) "Bartholomew"zone per NAD 83 (2011) epoch 2010.00 and reported in U.S. Survey Feet. This zone was created to minimize the differences between ground-measured horizontal distances and the corresponding grid coordinate distances within the county.

The InGCS "Bartholomew" zone coordinates and associated metadata are listed here on to facilitate a seamless workflow between various geospatial industries (e.g. surveying, civil engineering, construction, etc.), to provide a means of reestablishment of the aforementioned alignment(s) or any monumentation that has become destroyed.

InGCS "Bartholomew" Zone Parameters Geometric Datum: NAD 83(2011) epoch 2010.00 Projection Type: Transverse Mercator Latitude of Grid Origin: 39°00' 00"North Latitude Central Meridian: 85°51' 00"West Longitude

Central Meridian Scale Factor: 1.000026

False Northing: 36,000.000 m (118,110.0000 U.S.Ft) False Easting: 240,000.000 m (787,400.0000 U.S. Ft)

ALIGNMENTS

The horizontal alignment for Line "A" was created by using a best fit line in correlation with centerline of pavement as field located.

VERTICAL DATUM

Vertical datum for this Survey Book was obtained from an U.S.G.S. standard table, stamped "TT 49 RCD 1946 645" with a published elevation of 644.71' (NAVD 88). The benchmark is located at the southwest corner of S.R. 58 and C.R. 300 W; 53-feet south of S.R. 58, 72-feet west of C.R. 300 W.

Temporary benchmarks were set along the aforementioned route for easy retrieval during construction.

FINDINGS OF FACTS (MONUMENTS)

In accordance with title 865, Article 1, Chapter 12 of the Indiana Administrative Code ("Rule 12"), the following observations and opinions are submitted regarding the various uncertainties in the locations of the lines and corners established in this survey as a result of uncertainties in reference monuments, in record descriptions and plats, and as introduced by random errors in measurement.

All section corners on the Route Survey Plat were located by information obtained from the Bartholomew County Surveyor's and Recorder's Office:

A Bartholomew County Surveyor's Monument was found at the southeast corner of Section 17, Point #100. Said monument was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

DRAWN: MCP

CHECKED: JEF

FINDINGS OF FACTS (cont)

A Bartholomew County Surveyor's Monument was found at the northeast corner of Section 17, Point #101. Said monument was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A sand stone with chiseled "X" was found at the north quarter corner of Section 17, Point #102. Said stone was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A Bartholomew County Surveyor's Monument was found at the northwest corner of Section 17, Point #103. Said monument was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A Bartholomew County Surveyor's Monument was found at the southwest corner of Section 17, Point #104. Said monument was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A survey nail was found at the west quarter corner of Section 17, Point #105. Said nail was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A survey nail was found at the center of Section 17, Point #106. Said nail was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

A survey nail was found at the east quarter corner of Section 17, Point #107. Said nail was found undisturbed using the reference ties obtained from said Bartholomew County Surveyor's Office.

The coordinate datasheet sheet for Section 17, Township 8 North, Range 5 East, as obtained from said Bartholomew County Surveyor's Office, was used to verify section lines as field located and to establish the south quarter corner of said Section 17.

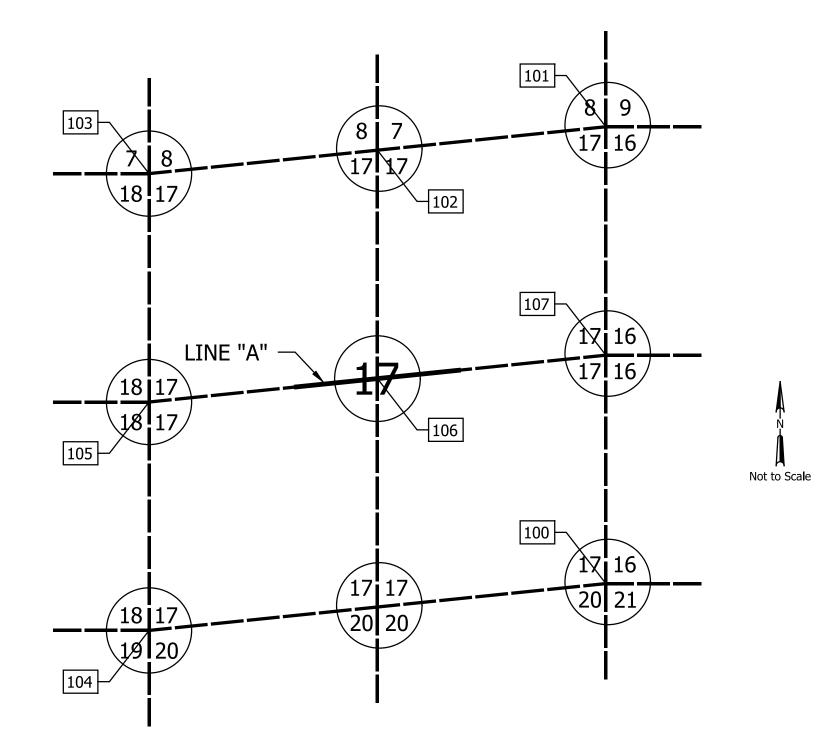
The uncertainties in the location of these monuments is estimated to be 0.50 foot, more or less. This uncertainty arises from the absence of the original survey monuments and the certainty that the monuments used to perpetuate the corners are not in the exact location of the true corners.

A request to the INDOT Records and Documents Library was made and no roadway plans, right-of-way grants, or deeds exist. There was also no evidence of grants or deeds found in the Office of the Recorder of Bartholomew County, Indiana. The apparent existing right-of-way was determined by toe-of-slope and other improvements as being 20-feet. It is this surveyor's opinion that any acquisition of right-of-way would need to be reacquired to the extents of the owner's parcel.

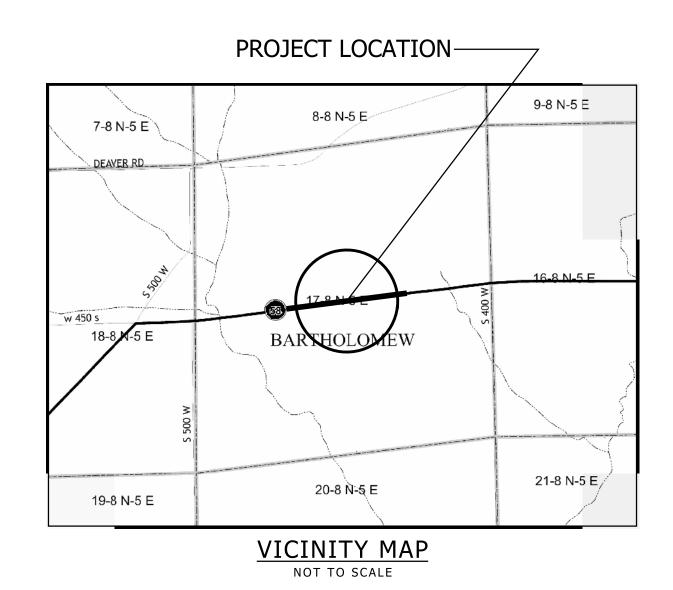
CENTERLINE AND CONTROL POINT MONUMENTATION

The centerline points for Line "A" are set survey nails with a stainless steel washer stamped "STRAND ASSOC. FIRM NO. 0110". These monuments have an estimated uncertainty of 0.10 feet, more or less, relative to the above said section corner monuments as located in this survey. The control points for this location control route survey are as noted on the included reference boxes.

Jacob E. Fitzsimmons Registered Land Surveyor #LS21200011 October 18, 2018



SECTION DETAIL



SURVEY STARTED AUGUST 14, 2018 SURVEY COMPLETED OCTOBER 23, 2018 ROUTE SURVEY SHEETS STRAND

FIELD SURVEYOR STATEMENT

THIS SURVEY, TO THE BEST OF MY KNOWLEDGE AND BELIEF, IS EXECUTED ACCORDING TO THE PROVISIONS OF 865 I.A.C. 1-12-20 THROUGH 1-12-25 REGARDING ROUTE SURVEYS, EXCEPT THAT ANY DATA SHOWN REGARDING THE LOCATION OF DESCRIPTION OF THE EXISTING PARCELS IS NOT A PART OF THIS SURVEY

I AFFIRM, UNDER THE PENALTIES FOR PERJURY, THAT I HAVE TAKEN REASONABLE CARE TO REDACT EACH SOCIAL SECURITY NUMBER IN THIS DOCUMENT, UNLESS REQUIRED BY LAW.

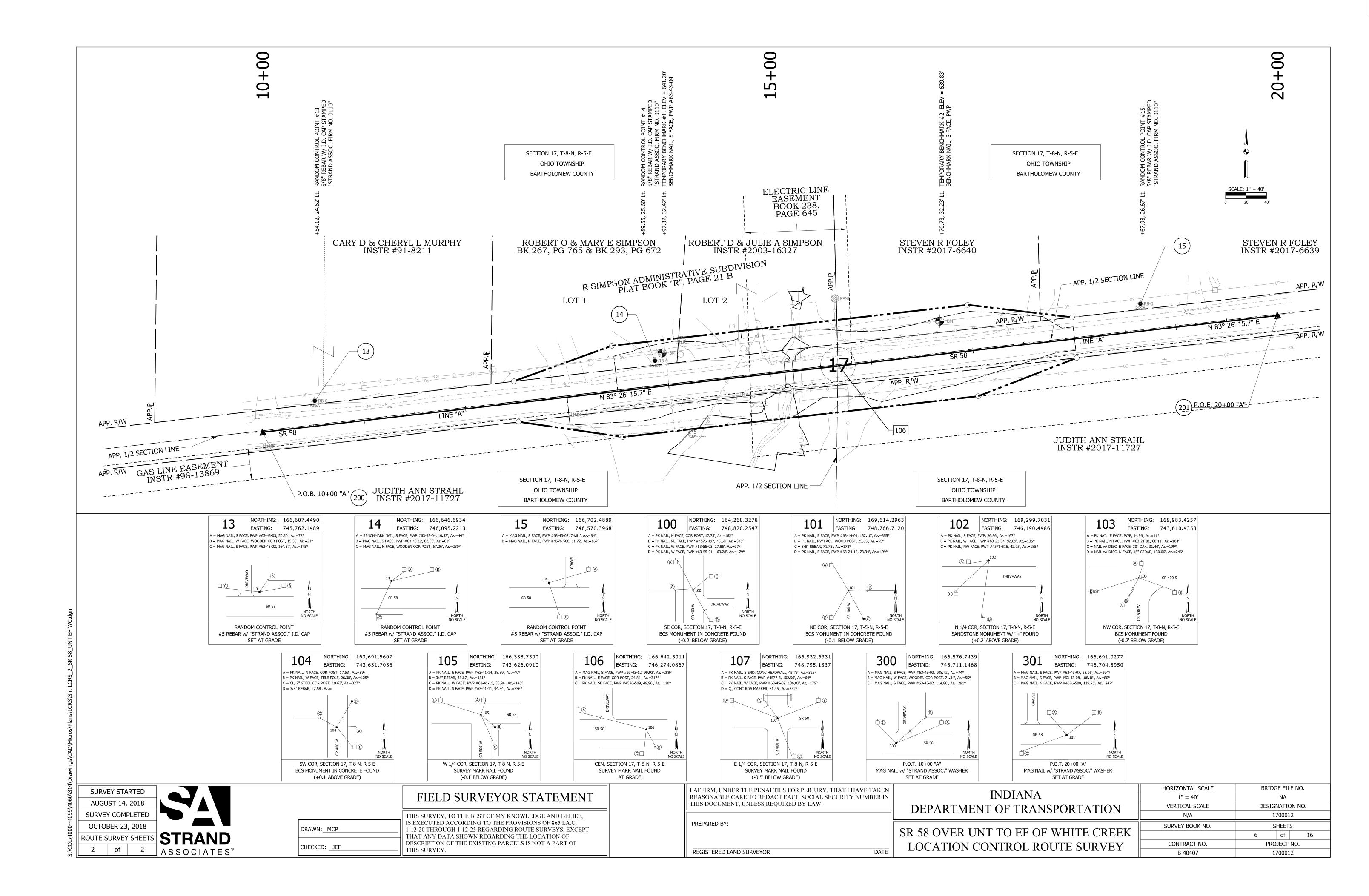
PREPARED BY:

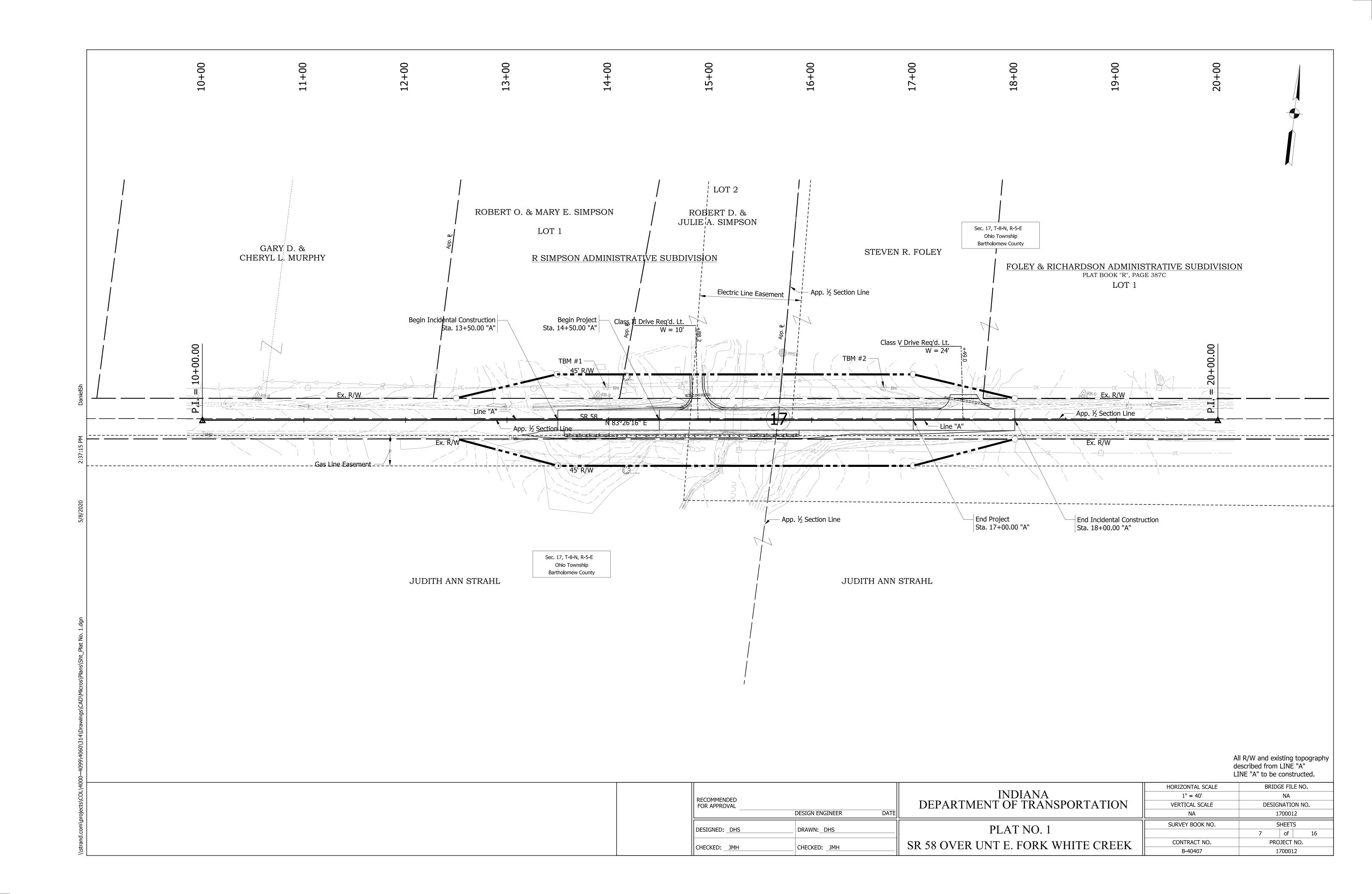
REGISTERED LAND SURVEYOR

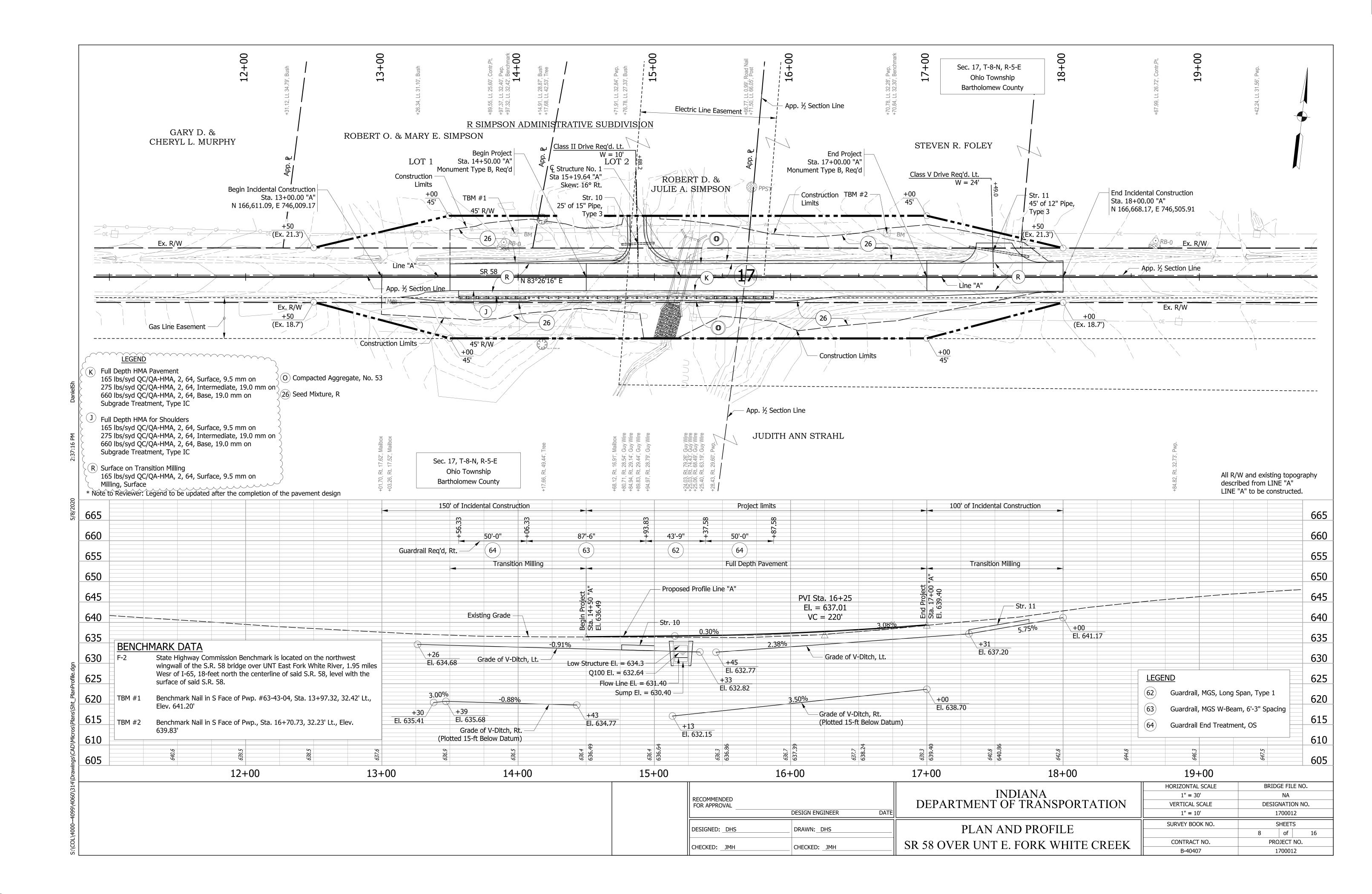
INDIANA
DEPARTMENT OF TRANSPORTATION
SR 58 OVER UNT TO EF OF WHITE CREEK

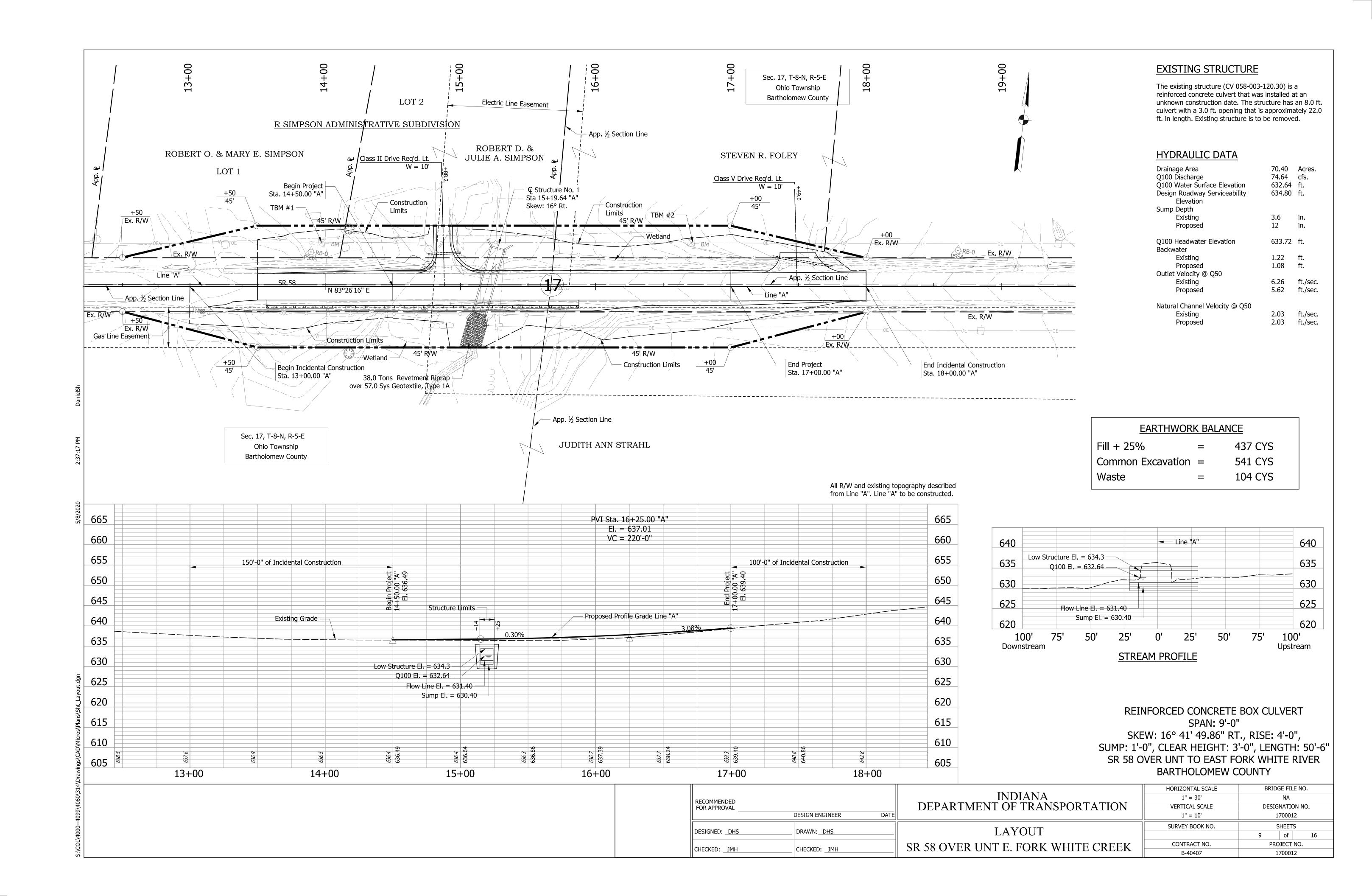
LOCATION CONTROL ROUTE SURVEY

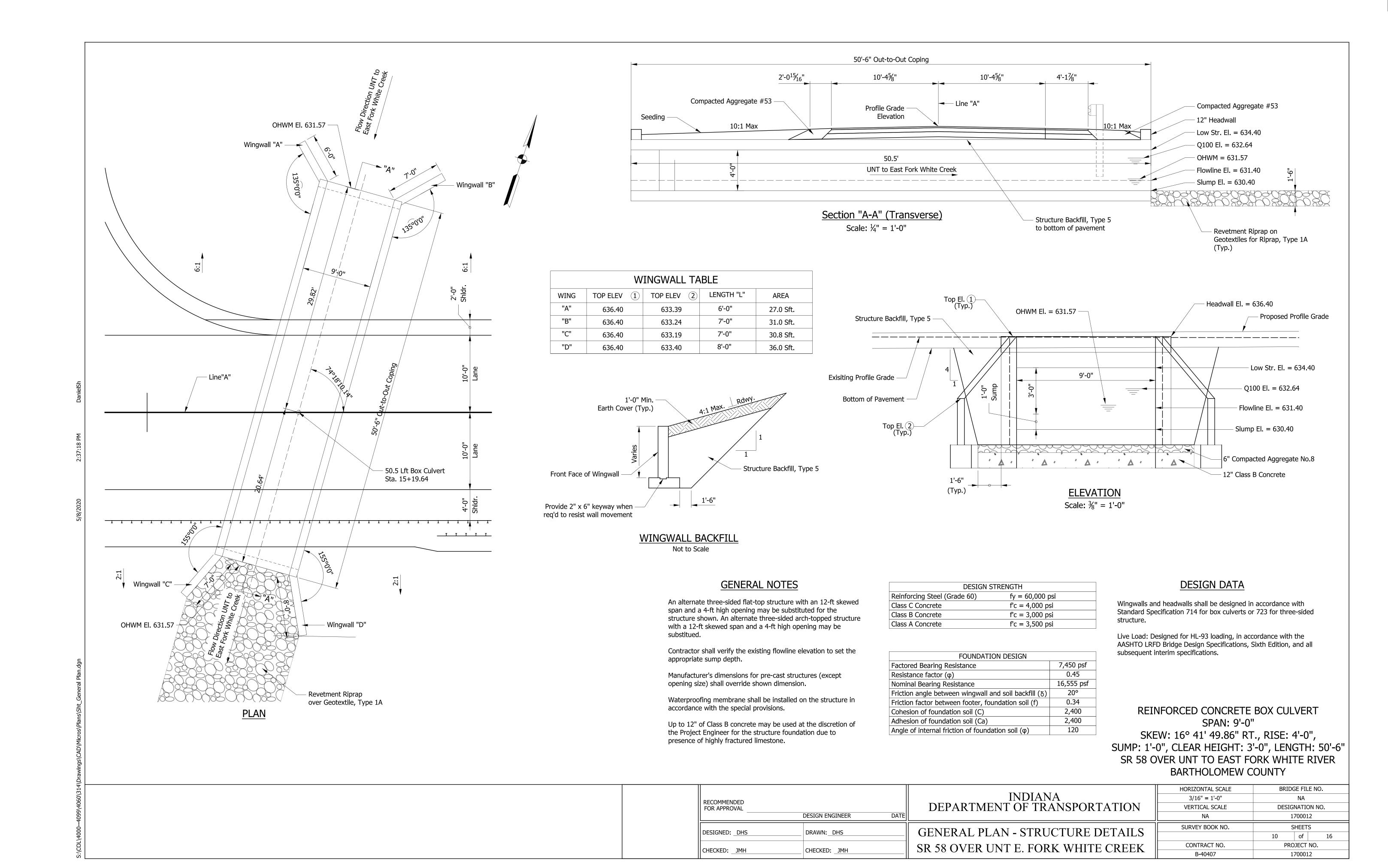
HORIZONTAL SCALE	BRIDGE FILE NO.							
N/A		NA						
VERTICAL SCALE	DESIGNATION NO.							
N/A	1700012							
SURVEY BOOK NO.	S	HEETS	5					
	5	of	16					
CONTRACT NO.	PROJECT NO.							
B-40407	1	70001	2					











	* IF CONTRACTOR ELECTS TO USE METAL PIPE, THICKNESS AS SHOWN BELOW ARE TO BE USED.																							
STRUCTURE NUMBER	STATION E	CROSS	SIZE	PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALITY STRUCTURE	LENGTH	SKEW	COVER	UP STREAM	DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	Hd	BACKFILL METHOD	STRUCTURE		REVETMENT RIPRAP	GEOTEXTILES FOR RIPRAP, TYPE 1A		GRATED BOX END SECTION		SAFETY METAL END SECTION	CONNECT TO STR.	REMARKS
	Ct. 45 . 40 C4 !!A!!	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	INCHES		CONCRETE DOV	LFT		FT	ELEV.	ELEV.	YR.				TYPE	CYS	TONS	SYS	EA.	TYPE SLOPE I	EA. TYF	PE SLOPE EA.		
1	Sta. 15+19.64 "A"	X	9' x 4'		CONCRETE BOX	50.5	74.3	1.25	631.40	631.40	50				5	67	52	73						
10	Sta. 14+88.20 "A"	<	15"	3		25.0'					75			2	2				2					
11	Sta. 17+49.00 "A"	Κ	12"	3		45.0'					75			2	2				2					

EXCAVATION

4.00% 0.40%

SURFACE BEYOND R/W LINE

DESCRIPTION (APPROACH TYPE OR CLASS)

10' 35' 25/15

LOCATION

Line "A"

Sta. 14+88.20 "A"

TOTALS

SOLID WHITE	F BROKEN YELLOW	RAI PAVE MAR SPACING	OWABLE SED MENT KER* SPACING				
_	_		SPACING				
VHITE	VELLOW/	I ON!					
	ILLLOW	80'	80'				
4 IN. 4 IN. 4 IN.							
FT	FT	EACH	EACH				
900	900						
900	900						
	900	900 900					

* Do not install RPM's on bridge deck and approach slat	วร
---	----

REMARKS

COMPACTED AGGREGATE

NO. 73

DEPTH

X X

COMPACTED AGGREGATE

NO. 53

MONUMENT TABLE												
STATION	OFFSET	MONUMENT										
14+50 "A"	0.0'	Type B										
17+00 "A"	0.0'	Туре В										

R/W MARK	KER TABLE
STATION	OFFSET
12+50.00 "A"	Ex. R/W Lt.
13+50.00 "A"	45.00' Lt.
17+00.00 "A"	45.00' Lt.
18+00.00 "A"	Ex. R/W Lt.
12+50.00 "A"	Ex. R/W Rt.
13+50.00 "A"	45.00' Rt.
17+00.00 "A"	45.00' Rt.
18+00.00 "A"	Ex. R/W Rt.

Sta. 17+49.00 "A"	V	24' 2	23' 25/	15			4.00%	-6.62%				X	X	X								X	X	
TOTAL																								
									GL	JARD	RAIL	. SUM	IMAR	RY TA	BLE									
LOC	CATION				MG:	S GUARDRA	AIL LENGTH			_			 			CURV	/ED W-BEAM	GUARDRAIL	. SYSTEM					
FROM STATION	TO STATION	LEFT MEDIAN LEFT MEDIAN RIGHT RIGHT	STANDARD POST AT 6 FT 3 IN. SPA.	STANDARD POST AT 3 FT 1.5 IN. SPA.	DOUBLE FACED AT 6 FT 3 IN. SPA.	DOUBLE FACED AT 3 FT 1.5 IN. SPA.	LONG SPAN, TYPE 1	SHOP CURVED AT FT. SPA.	NESTING GUARDRAIL	GUARDRAIL FLARE RATE	TRANSITION W/O CURB	GUARDRAIL TRANSITION TYPE TPF-1	GUARDRAIL HEIGH TRANSITION	GUARDRAIL END TREATMENT TYPE OS			MINAL STEM		ECTOR STEM	GUARDRAIL REMOVE	GUARDRAIL RESET	IMPACT ATTENUATOR TYPE	IMPACT ATTENUATOR TYPE	REMARKS
			LFT	LFT	LFT	LFT	LFT	LFT	EACH		EACH	EACH	EACH	EACH		TYPE	EACH	TYPE	EACH	LFT	LFT	EACH	EACH	
Sta. 13+56.33 "A"	Sta. 15+87.58 "A"	X	87.5				43.75							2						120				

PAVEMENT QUANTITIES AND APPROACH TABLE

X X X

s\COL\4000--4099\4060\314\Drawings\CAD\Micros\Plans\Sht_Misc Tables.dgn

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED: DHS	DRAWN: DHS	MISCELLANEOUS TABLES
CHECKED: JMH	CHECKED: JMH	SR 58 OVER UNT E. FORK WHITE CREEK

HORIZONTAL SCALE	BRIDGE FILE NO.								
NA		NA							
VERTICAL SCALE	DESIG	NATION	NO.						
NA	1700012								
SURVEY BOOK NO.	S	HEETS							
	11	of	16						
CONTRACT NO.	PROJECT NO.								
B-40407	1	700012							

